

Section II  
Soil and Site Information

Building Site Development  
Codington County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Bc: Brookings-----	90	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
Bh: Brookings-----	60	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
Hidewood-----	30	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Low strength Depth to saturated zone Shrink-swell Flooding	1.00 1.00 0.50 0.40	Cutbanks cave	0.10		
BmD: Buse-----	90	Somewhat limited Low strength Slope Shrink-swell Frost action	0.78 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
BmE: Buse-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Bo: Buse-----	90	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Content of large stones	1.00 0.33	Very limited Slope Content of large stones	1.00 1.00
		Frost action Content of large stones Low strength	0.50 0.33 0.22	Cutbanks cave	0.10		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BpD: Buse-----	60	Somewhat limited Low strength Slope Shrink-swell Frost action	0.78 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
Poinsett-----	25	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
BsD: Buse-----	60	Somewhat limited Low strength Shrink-swell Frost action Slope	0.78 0.50 0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Sioux-----	25	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Droughty Slope	0.52 0.37
Bu: Buse-----	60	Very limited Slope Shrink-swell  Frost action Content of large stones Low strength	1.00 0.50  0.50 0.33 0.22	Very limited Slope Content of large stones Cutbanks cave	1.00 0.33 0.10	Very limited Slope Content of large stones	1.00 1.00
Sioux-----	25	Very limited Slope	1.00	Very limited Cutbanks cave  Slope	1.00  1.00	Very limited Content of large stones Slope Droughty	1.00 1.00 0.72
BvD: Buse-----	60	Somewhat limited Low strength Shrink-swell Frost action Slope	0.78 0.50 0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Vienna-----	30	Very limited Low strength Shrink-swell Frost action Slope	1.00 0.50 0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Bx: Buse-----	40	Somewhat limited Shrink-swell  Frost action  Slope Content of large stones Low strength	0.50  0.50  0.37 0.33 0.22	Somewhat limited Slope  Content of large stones Cutbanks cave	0.37  0.33 0.10	Very limited Content of large stones Slope	1.00  0.37
Barnes-----	30	Somewhat limited Shrink-swell Frost action Slope Low strength	0.50 0.50 0.37 0.22	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Sioux-----	20	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Droughty Slope	0.52 0.37
Cs: Aguents, Saline----	100	Very limited Ponding Depth to saturated zone Frost action  Low strength Shrink-swell	1.00 1.00 1.00  1.00 0.50	Very limited Ponding Depth to saturated zone Cutbanks cave  Too clayey	1.00 1.00 1.00  0.50	Very limited Ponding Salinity  Depth to saturated zone Too clayey	1.00 1.00  1.00 1.00
EfA: Egeland-----	90	Not limited		Very limited Cutbanks cave	1.00	Not limited	
EfB: Egeland-----	90	Not limited		Very limited Cutbanks cave	1.00	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EsA: Estelline-----	95	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
EsB: Estelline-----	90	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
FdA: Fordville-----	90	Somewhat limited Low strength Shrink-swell	0.78 0.50	Very limited Cutbanks cave	1.00	Not limited	
FdB: Fordville-----	90	Somewhat limited Low strength Shrink-swell	0.78 0.50	Very limited Cutbanks cave	1.00	Not limited	
FfA: Fordville-----	60	Somewhat limited Low strength Shrink-swell	0.78 0.50	Very limited Cutbanks cave	1.00	Not limited	
Renshaw-----	30	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.03
FfB: Fordville-----	50	Somewhat limited Low strength Shrink-swell	0.78 0.50	Very limited Cutbanks cave	1.00	Not limited	
Renshaw-----	30	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.03
FmB: Forman-----	90	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Very limited Content of large stones	1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
FmC: Forman-----	90	Somewhat limited Low strength	0.78	Somewhat limited Cutbanks cave	0.10	Very limited Content of large stones	1.00
		Shrink-swell	0.50				
		Frost action	0.50				
FnA: Forman-----	90	Somewhat limited Low strength	0.78	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
FnB: Forman-----	90	Somewhat limited Low strength	0.78	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
FnC: Forman-----	90	Somewhat limited Low strength	0.78	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
KrB: Kranzburg-----	90	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
La: Lamoure-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Low strength	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	1.00				
		Shrink-swell	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lc: Lamoure-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	1.00				
		Shrink-swell	0.50				
Lp: La Prairie-----	90	Very limited Flooding	1.00	Somewhat limited Flooding	0.60	Somewhat limited Flooding	0.60
		Low strength	1.00	Depth to saturated zone	0.47		
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Ma: Southam-----	100	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10	Salinity	0.13
		Low strength	1.00	Too clayey	0.03		
		Shrink-swell	1.00				
Ms: Southam-----	100	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10	Salinity	0.13
		Low strength	1.00	Too clayey	0.03		
		Shrink-swell	1.00				
Od: Oldham-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
		Depth to saturated zone	1.00				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Op: Oldham-----	45	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
		Depth to saturated zone	1.00				
Parnell-----	45	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
Ow: Oldham-----	50	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
		Depth to saturated zone	1.00				
Parnell-----	50	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
PmA: Poinsett-----	90	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
PmB: Poinsett-----	90	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
PnB: Poinsett-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
PoC: Poinsett-----	50	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Buse-----	20	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Forman-----	20	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
PsB: Poinsett-----	60	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Forman-----	25	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
PwA: Poinsett-----	75	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Waubay-----	20	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ra: Rauville-----	90	Very limited Depth to saturated zone Frost action  Flooding Low strength Shrink-swell	1.00  1.00  1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave  Flooding	1.00  1.00  0.80	Very limited Flooding  Depth to saturated zone	1.00   1.00
RsA: Renshaw-----	60	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.03
Sioux-----	30	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.52
RsB: Renshaw-----	50	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.03
Sioux-----	30	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.52
Ts: Buse-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Sioux-----	35	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty Gravel content	1.00 0.80 0.25
VnA: Vienna-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
VnB: Vienna-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
VnC: Vienna-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
Wa: Waubay-----	90	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47  0.10	Not limited	
WfA: Waubay-----	60	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47  0.10	Not limited	
Forman-----	25	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	